Index

Volume 33 (1986)

The pages of the seven issues of *Notices* for 1986 are:
January: 1–216 October: 705–888
March: 217–440 November: 889–1032
June: 441–592 December: 1033–1160
August: 593–704

ACKNOWLEDGEMENT OF CONTRIBUTIONS, 521
ADVERTISING POLICY, Recruitment, 684
AMS REPORTS & COMMUNICATIONS, 144, 398, 572, 676, 855
1986 Symposium on Some Mathematical Questions in Biology, 679
Business Meetings of the Society
March, *New Orleans*, 400; August, *Baltimore*, 679
Committee Appointments, 144, 398, 572, 678, 855, 975
Council Meetings of the Society
March, *New Orleans*, 399; August, *Baltimore*, 679
Election Results of 1985, 400
Officers and Committee Members of the Society, 680
Officers of the Society, 1985 and 1986, 402
Recent Appointments, 144, 398, 572, 678, 855, 975
Reports of Past Meetings, 145, 398, 678
May Meeting in *Baltimore*, 678
October Meeting in *Amherst*, 145
November Meeting in *Claremont*, 398
Statistics on Women Mathematicians Compiled by the AMS, 572
AMS SHORT COURSE SERIES:
1988: Call for Topics, 362, 553, 649
Approximation Theory, *New Orleans*, 58
Moments in Mathematics: Synopses and Reading Lists, 830
AMENDMENTS TO THE BYLAWS, 83
ARTICLES, General (*See* For Your Information, Mathematical Software, Mathematical Text Processing, and Washington Outlook for articles in columns)
AMS Electronic Manuscript Program, 299
AMS-MAA-SIAM Congressional Fellow's Report: A Mathematician Weighs Congressional Means, 256
Addresses on Works of Fields Medalists and Nevanlinna Prize Recipients, 900
Current Issues in NSF Support for Research and Education, 229
International Congress of Mathematicians 1986, 735
Introduction to TeX and AMS TeX, An, 303
Mathematical Sciences: A Unifying and Dynamical Resource, 462
Mathematics: The Unifying Thread in Science, 716
NSF Budget Request for Fiscal 1987, 450
NSB: Issues in Undergraduate Mathematics, 239
Publicizing Mathematics, 310
Survey of American Research Journals, 287
Survey of European Mathematical Periodicals, 995
Technical Wordprocessors for the IBM PC and Compatibles, 8
University Research Initiative, 738
ARTICLES, Prizes Awarded by the Society
Veblen Prize 1986, 227
ARTICLES, Special
Local Algebraic Topology, 895
Mordell Conjecture, The, 443
New Knot Polynomial and von Neumann Algebras, A, 219
Physical and Mathematical Applications of Gauge Theories, 707
ASSISTANTSHIPS AND FELLOWSHIPS
In the Mathematical Sciences, In 1987–1988, 1035
In 1986–1987 (Supplementary List), 387
Critical, Historical, or Expository Theses, 1120 (Supplementary List), 397
Deadlines for Grants and Assistantships, 853, 977
Postdoctoral Research Fellowships and/or Instructorships 1987–1988, 1122
Stipends for Study and Travel, 1127
AUTHORS of articles and columns
Ash, Avner, 482
Bloch, Erich, 229
Buhler, Joseph P., 40
Durst, Lincoln K., 299
Harris, David, 443
Hoffman, Kenneth H., 38, 319, 443, 486, 617, 752, 939
Holmay, Kathleen, 310, 752
Jackson, Allyn, 740
Jones, V.F.R., 219
O'Meara, Timothy, 327
Palais, Richard S., 3, 303, 515, 597, 741
Quinn, Frank, 895
Siebenmann, Larry, 597
Sloane, N.J.A., 40
Stevens, Christine T., 256
Taubes, Clifford Henry, 707
Vance, Jennifer Wysong, 509
BACKLOG OF MATHEMATICS RESEARCH JOURNALS, 385, 674
BUSINESS MEETINGS OF THE SOCIETY
March, *New Orleans*, 400; August, *Baltimore*, 679
CLASSIFIED ADVERTISEMENTS, 150, 403, 573, 692, 856, 979
COMMITTEE ON EMPLOYMENT AND EDUCATIONAL POLICY, 1034
CORPORATE MEMBERS AND INSTITUTIONAL ASSOCIATES, 521
COUNCIL MEETINGS
March, *New Orleans*, 399; August, *Baltimore*, 679
CRITICAL, HISTORICAL, OR EXPOSITORY THESES, 1120
Supplementary List, 397
DEATHS OF MEMBERS OF THE SOCIETY, 142, 384, 568, 671, 849, 975 (*See* also Obituaries)
Adams, Robert M., 384
Beesack, Paul R., 849
Bing, R H, 504, 595, 671
Blake, Louis H., 384
Borgman, William M., Jr., 849
Boschan, Paul, 671
Bramble, Charles C., 849
Brauer, Alfred T., 384
Braun, Hel, 671
Butler, Geoffrey J., 849
Clanton, Donald H., 671
Crowder, Harold K., 384
Doyle, William C., 142
Dunford, Nelson, 975

Eberlein, William F., 849
Eells, James, 568
Ercolano, Joseph L., 849
Ettlinger, Hyman, 849
Fary, Istvan, 849
Finkbeiner II, Daniel T., 568
Garnir, Henri G., 568
Gassmann, Emmert A., 568
Ghosh, B. K., 568
Girse, Robert, 671
Gould, Sydney Henry, 754, 850
Halmos, Paul R., 568
Hammer, Preston C., 671
Hoffman, Stephen P., 142
Hoffmann, Banesh, 850
Huckermann, Friedrich, 850
Huffer, Ralph C., 850
Kantorovich, L.V., 503
Kibbey, Donald E., 850
Kim, Paik Kee, 850
LaPaz, Lincoln, 142
Lewis, Robert H., 568
Lieber, Lillian, 850
Maćkowiak, Tadeusz, 568
Magee, Gordon R., 671
Mendel, Clifford, 671
Minty, George J., 850
Netanyahu, Elisha, 671
Ohkuma, Tadashi, 384
Omar, A. A. H., 568
Pickard, David K., 850
Pixley, Henry H., 384
Platte, Erich, 142
Pollard, Harry, 384
Rees, Mary R., 384
Robinson, Louis, 142
Room, Thomas G., 671, 850
Rothwell, Franklin G., 671
Schwabhäuser, Wolfram, 568
Semple, J. G., 850
Simon, Hermann, 850
Sinha, S. R., 671
Sprague, Atherton H., 384
Stamm, E., 384
Stark, Eberhard L., 671
Vasilach, Serge, 671
Vogel, Kurt, 568
Werner, Helmut, 384
Winston, Clement, 671
Wolfe, Harold E., 671
Wolfenstein, Samuel, 671
Wright, Frances M., 671
Zariski, Oscar, 850, 891

DOCTORAL DEGREES CONFERRED
In 1984–1985, (Supplementary List), 298, 938
In 1985–1986, 924

ELECTION INFORMATION (AMS), 337, 545, 635
1986 Election Information, 545
Candidates, AMS Election 1986, 772
Council Nominations for Vice-President and Members-at-Large, 634
Election Results of 1985, 400
Nominating Committee for 1987, 337
President's Candidates for the Nominating Committee 1987 and 1988, 634
Nominating Committee and the Preferential Ballot, 545
Nomination Petition for 1986 Election, 338
Nominations for Vice-President or Member-at-Large, 337
Replacement Ballots, Rules and Procedures, 337, 635
Suggestions for 1986 Nominations, 338
Vice-President of Member-at-Large, 337

EMPLOYMENT REGISTER
(*See* Mathematical Sciences Employment Register)
Congressional Strategy for the Mathematical Community, 509
Graduate S/E Enrollment Shows Smallest Increase since 1977, 511
National Mathematics Awareness Week, 509
Remarks to the Mathematical Sciences Education Board, 147
Science and Engineering Doctorates in 1985, 763
Strategies for Enhancing Resources in Mathematics, 327

INTERNATIONAL CONGRESS OF MATHEMATICIANS (1986), 54, 258, 488
International Congress of Mathematicians 1986, 735
Second Announcement, 258
Second Announcement, Request for, 54

INVITED SPEAKERS, Lists of, 127, 359, 550, 645, 833
Bell, Steven R. *Indianapolis*, 339
Bernstein, Joseph N. *New Orleans*, 59
Bourgain, Jean *Indianapolis*, 339
Carleson, Lennart A. *New Orleans*, 59
Christodoulou, Demitrios *Baltimore*, 347
Cox, David A. *Baltimore*, 347
Eberlein, Patrick *Charlotte*, 783
Ferry, Steven C. *Charlotte*, 783
Fong, Paul *Denton*, 791
Kechris, Alexander A. *New Orleans*, 59
Klainerman, Sergiu *New Orleans*, 59
Knapp, Anthony W. *Baltimore*, 347
Kulkarni, Ravi *Denton*, 791
Li, Peter *Logan*, 775
McGehee, Richard P. *Indianapolis*, 339
Miller, Haynes R. *New Orleans*, 59
Millett, Kenneth C. *Logan*, 775
Nagel, Alexander *Denton*, 791
Nygaard, Niels *Indianapolis*, 339
Raymond, Frank *Charlotte*, 783
Scanlon, Jane Cronin *New Orleans*, 59
Scriven, L.E. *New Orleans*, 57
Wheeler, Mary *Denton*, 791
Yau, Shing-Tung, (Colloquium Lecturer), *New Orleans*, 57
Zucker, Steven M. *Baltimore*, 347

JOINT SUMMER RESEARCH CONFERENCE SERIES
(*See* Summer Research Conference Series)

LETTERS TO THE EDITOR, 52, 331, 516, 633, 768
Akbulut, Selman, 331
Askey, Richard, 331
Coleman, Robert F., 769
Douglas, Ronald G., 770
Gilkey, Peter B., 517
Gold, Bonnie, 768
Harris, David, 769
Hilton, Peter, 52
Komkov, Vadim, 332
Lichtman, A.L., 333
Milne, J.S., 771
Shub, Michael, 771
Skwarczynski, Maciej, 331
Strichartz, Robert S., 633
Sweedler, Moss, 516
Weintraub, Steven H., 52

Welcher, Peter J., 517
Yorke, James A., 517
MATHEMATICAL SCIENCES EMPLOYMENT REGISTER, 84, 826
Preregistration Forms, 881, 882, 1027, 1028
MATHEMATICAL SOFTWARE, 40, 482
A Matrix Laboratory, 482
My Friend MACSYMA, 40
MATHEMATICAL TEXT PROCESSING, 3, 303, 515, 597, 741
An Introduction to TeX and AMS-TeX, 303
Mathematical Text Processing, 3
Technical Word Processing, 515
Toward Wider Use of TeX Typesetting: A Pre-TeX Manifesto, 597
MEETINGS OF THE AMS
Calendars of AMS Meetings, Inside Front Covers
Call for Topics, 361, 648
Invited Speakers at AMS Meetings, 127, 359, 550, 645, 833, 954
Meeting Announcements and Programs

January:	*New Orleans*, 57
April:	*Indianapolis*, 120, 339
May:	*Baltimore*, 123, 347
October:	*Logan*, 546, 636, 775
	Charlotte, 548, 637, 783
	Denton, 549, 642, 791
January 1987:	*San Antonio*, 801, 946
March 1987:	*Honolulu*, 948
April 1987:	*Kent*, 951
	Newark, 952

Organizers and Topics of Special Sessions, 59, 120, 123, 127, 339, 347, 359, 546, 548, 549, 550, 636, 639, 642, 775, 783, 791, 804, 833, 946
Short Course Announcements
(*See* AMS Short Course Series)
MISCELLANEOUS, 142, 384, 568, 671, 849, 975
NEW AMS PUBLICATIONS, 135, 371, 561, 656, 845, 964
NEWS AND ANNOUNCEMENTS, 44, 311, 497, 618, 754, 940 (*Also see* Obituaries, Prizes and Awards, Award Recipients)
1986 National Chairmen's Colloquium, 755
AAAS Annual Meeting, 317
AAAS Requests Suggestions, 316
AMS Joins CPST, 756
AMS Membership Category Changes, 500
AMS Postdoctoral Research Fellowship, 499
AMS Research Fellowships, 618
Advisory Panel Meeting, 624
Archives of Mathematics and Mathematicians, 317
Award for Distinguished Service to Mathematics, 46
Banchoff Becomes Acquisition Editor, 313
Bieberbach Conjecture: Proceedings of the Symposium on the Occasion of the Proof, 755
Blackwell Receives R. A. Fisher Lectureship Award, 940
City University of New York Dedicated Library, 49
Colloquium Lecture Notes, 318
Combined Membership List Shipping and Handling Charge, 501, 621
Computing Research Equipment for the Mathematical Sciences, 624
Congressional Science Fellowship in Mathematics 1986-1987, 313
Courant Institute Celebrates its Fiftieth Anniversary, 47
Courant Institute Support Available, 47
Directory of Women in the Mathematical Sciences, 504
Electronic Addresses in the CML, 317
Ford Foundation Grants Awarded to Minority Doctoral Students, 940
Fulbright and Other Grants for Graduate Study Abroad, 502
Fulbright Awards for 1985–1986, 45
Fulbright Collaborative Research Grants, 502
Fulbright Grants Announced for 1986–1987, 316
Fulbright Scholar Awards 1987–1988 Competition, 316
Fulbright Teacher Exchange Program, 503
Gohberg Receives Rothschild Prize, 754
Goodman Awarded Wilks Medal, 46
Gould, Sydney Henry, 1909–1986, 754
Guggenheim Fellowships, 501
Hoffman, Kenneth M., to Receive JPBM Public Service Award, 618
ICIAM '87, 620
India Fellowships, 316
Kantorovich, L.V., 503
Karp Wins Turing Award, 312
Kovalevskaia Fund Travel Grant Awarded, 619
Kovalevskaia Memorial Fund, 48
Lanford, Oscar E., III, Receives National Academy of Sciences Award in Applied Mathematics and Numerical Analysis, 619
MacArthur Fellowship Awarded to Benedict Gross, 754
Makarov Wins Salem Prize, 755
Martin Prize, 312
Mathematics into Type, 504
Mittag-Leffler Institute (1986–1987), The, 48
National Medals of Science Awarded, 497
Newly Elected Members of the AAAS, 618
Newly Elected Members of the National Academy of Sciences, 618
News from the Institute for Mathematics and its Applications (Minneapolis), 312, 620, 758, 940
News from the Mathematical Sciences Institute (Cornell), 315, 502, 618
News from the Mathematical Sciences Research Institute (Berkeley), 46, 314, 757
Nobel Prize Awarded to Society Members, 44
Pi Mu Epsilon Annual Meeting, 317
Prix Scientifique UAP, 45
Reciprocity Agreement with the Irish Mathematical Society, 940
Reciprocity Agreement with Sociedad Colombiana de Matemáticas, 620
Reciprocity Agreements, 317
Rees, Mina, and Jacob T. Schwartz Received New York City Award, 618
Renz, Peter L., New MAA Associate Director, 619
Replacement Ballots, 755
Request for Photos, 755
Rocke Wins First Youden Award, 312
Rollo Davidson Trust, 503
Sloan Research Fellowships Awarded, 501
Special Program/Workshop for Department Chairs, 757
Tax Reform and the Mathematical Community, 941
Travel Support for Foreign Graduate Students, 48
Travel Support for Foreign Graduate Students: An Update, 315
U.S. Team Ties for First Place in International Mathematical Olympiad, 757

USCMI Pre-Congress Session, 500
USCMI Pre-Congress Talks, 313
Wiener Prize for 1985, 47
William H. Roever Lectures in Geometry, 48
Wolf Prize Awarded to Eilenberg and Selberg, 311
NEWS & REPORTS FROM THE NSF, 50, 320, 505, 622, 759 (*Also see* Prizes and Awards, Prize Recipients)
Advisory Committee Review Open Letter to the Mathematical Sciences Community, 320
Awards to Stimulate Competitive Research, 943
Computational Mathematics Initiative: An Open Letter, 760
Computer-Related Activities to be Coordinated, 505
Computer Research Centers Grants, 51
Experimental Research Program (EXPRES), 50
Fuqua Receives NSF Distinguished Service Award, 623
Graduate Fellowship Awards Announced, 506
Grants Awarded for Experimental Computer Research Facilities, 761
Increased Support for Mathematics: An Open Letter, 759
Minority Graduate Fellowships Awarded, 505
NSF Announces Mathematical Sciences Postdoctoral Research Fellowships, 324
NSF Cites Serious Flaws in Undergraduate Science, Math, and Engineering Education, 508
NSF FY 1987 Proposals for Scientific Research Project Support, 623
NSF Funding for FY 1986, 320
NSF-CBMS Regional Conferences in the Mathematical Sciences, 321
National Science Week 1986, 321
Nominations Sought for Twelfth Alan T. Waterman Award, 761
Positions at Funding Agencies: An Open Letter, 943
Positions Open in NSF, 623
Postdoctoral Research Fellowships, 622, 761
President to Nominate Two for Posts on NSB, 50
Presidential Young Investigators Competition 1987, 322
Presidential Young Investigators Named, 322
Principal Investigator Transfers, 51
Proposals Sought for 1987 and 1988 Regional Conference Series in Mathematical Sciences, 622
Reprogramming NSF FY1986 Funding, 505
Small Business Innovation Research Awards, 507
Staff for the Division of Mathematical Sciences, 762
Supercomputer Access Gained by NSF, 622
Supercomputing Center in Pittsburgh, 323
U.S.-China Cooperative Science Program, 508
Visiting Professorships for Women, 623
Visiting Professorships for Women Awarded, 50
NEWS FROM WASHINGTON, 325, 625
1986 National Chairmen's Colloquium, 626
Board on Mathematical Sciences, 627
CBMS Committee, 626
DARPA Funding, 325
Graham Chosen as President Reagan's Science Adviser, 625
NRC Establishes a Computer Science and Technology Board, 625
National Science Week, 626
Staff Director at BOMS, 325
Travel Grants for ICM-86, 326
Travel Grants for ICM-86 Awarded, 628
White House Fellowships, 625
OBITUARIES
Bing, R H, 504, 595
Gould, Sydney Henry, 754
Kantorovich, L.V., 503
Zariski, Oscar, 891
OFFICERS AND COMMITTEE MEMBERS OF THE SOCIETY, 680
OFFICERS OF THE SOCIETY 1985 AND 1986, 402
ORGANIZERS AND TOPICS OF SPECIAL SESSIONS
Lists of, 59, 127, 339, 347
PERSONAL ITEMS, 142, 384, 568, 671, 849, 975
PRIZES AND AWARDS
Distinguished Service to Mathematics, Award for, 46
Fields Medals, 736
Fisher, R. A., Lectureship and Award, 940
Freedman, Michael H., Awarded 1986 Veblen Prize, 227
Fulbright Awards for 1985–1986, 45, 315
JPBM Public Service Award, 618
MacArthur Fellowship Awarded to Benedict Gross, 754
Martin Prize, 312
NSF Distinguished Service Award, 623
National Academy of Sciences Award in Applied Mathematics and Numerical Analysis, 619
National Medals of Science, 497
Nevanlinna Prize, 737
New York City Award, 618
Nobel Prize Awarded to Society Members, 44
Nobel Prize in Chemistry, 1985, 44
Presidential Young Investigators Named, 322
Rothschild Prize, 754
Prix Scientifique UAP, 45
Salem Prize, 755
Small Business Innovation Research Awards, 507
Turing Award, 312
Wiener Prize, 47
Wilks Medal, 46
Wolf Prize, 311
Youden Award, 312
PRIZE RECIPIENTS
Amelin, Charles F., 45
Anderson, Greg W., 501
Bressoud, David, 45
Burton, Theodore A., 45
Christ, F. Michael, 322, 501
Clozel, Laurent, 501
Conrey, J. Brian, 501
Constantin, Petre S., 501
Culler, Marc, 501
Donaldson, Simon Kirwan, 736
Eckroad, James C., 45
Eilenberg, Samuel, 311
Ein, Lawrence, 501
Ercolani, Nicholas M., 501
Faltings, Gerd, 737
Feferman, Solomon, 501
Fitting, Marjorie, 45
Foata, Dominique, 45
Freedman, Michael H., 227, 737
Friedman, Harvey M., 501
Friedman, Robert, 501
Fuqua, Don, 623
Gabai, David, 501
Gajjar, Jagdish T., 45
Gardner, Clifford S., 47
Gillet, Henri A., 501
Gohberg, Israel, 754

Goodman, Jonathan B., 312, 322, 501
Goodman, Leo A., 46
Gross, Benedict, 754
Hall, Glen R., 501
Hall, Peter, 503
Hanlon, Philip J., 501
Harer, John L., 501
Hauptman, Herbert A., 44
Hoffman, Kenneth M., 618
Holmes, Mark H., 501
Johnson, Diane, 45
Jones, Vaughan F. R., 501
Kac, Victor, 501
Kaiser, Henry F., 45
Karle, Jerome, 44
Karp, Richard M., 312
Kenig, Carlos E., 501
Kosaki, Hideki, 501
Lanford, Oscar E., III, 619
Lawler, Gregory F., 502
Lax, Peter D., 497
Le Gall, Jean-François, 503
Lieb, Elliott, 45
Lopez, Angel A., 45
Makarov, N. G., 755
May, Warren L., 45
Melter, Robert A., 45
Nevai, Paul G., 45
Parsons, Charles D., 501
Ramakrishnan, Dinakar, 502
Rees, Mina, 618
Rocke, David M., 312
Ross, Arnold E., 46
Rubin, Leonard R., 45
Ruth, Stephen R., 45
Schwartz, Jacob T., 618
Selberg, Atle, 311
Senft, James R., 45
Sethian, James A., 502
Siegmund, David O., 45
Simon, Herbert A., 497
Smith, Harry F., 46
Smith, James, 46
Szarek, Stanislaw J., 502
Teague, Lavette C., 46
Trefethen, Lloyd N., 322
Valiant, Leslie, 737
Vitter, Jeffrey Scott, 501
Watkins, David S., 46
Weinberger, Shmuel, 322
White, Brian, 322
Zygmund, Antoni, 497

QUERIES, 53, 335, 519, 629, 773, 945
RECIPROCITY AGREEMENTS (AMS), 685
Supplementary Listings, 143, 384, 850, 975
REPORTS AND COMMUNICATIONS (AMS)
(*See* AMS Reports and Communications)
REPORTS TO THE MEMBERS OF THE SOCIETY, 247, 480, 608
Annual Report of the Secretary, 247
Annual Report of the Executive Director, 250
Reports from Officers, 609
Report from Providence, 608
Report of the Executive Director, 609
Report of the Treasurer, 480, 676

SEMINARS AND INSTITUTES
AMS Summer Research Institute
1986: Representations of Finite Groups and Related Topics, 126, 358
1988: Call for Topics, 362, 553, 649
AMS Summer Seminar
1987: Summer Seminar in Applied Mathematics, 957
1988: Call for Topics, 362, 553, 649
SHORT COURSES (*See* AMS Short Course Series)
SPECIAL MEETINGS, 130, 363, 554, 650, 840, 960
SUMMER RESEARCH CONFERENCE SERIES (Joint)
1986: University of California, Santa Cruz, 129
1987: University of Colorado, Boulder, 836, 958
1987: Cornell University, 836, 958
1988: Call for Topics, 362, 553, 649
SURVEY, ANNUAL AMS
Twenty-Ninth (1985), Second Report, 292
Doctoral Degrees Conferred in 1983–1984 (Supplementary List), 298
Doctoral Degrees Conferred in 1984–1985 (Supplementary List), 298
Employment, Faculty Mobility, Nonacademic Employment, and Faculty Enrollments, Fall 1985, 292
Thirtieth (1986), First Report, 910
Doctoral Degrees Conferred 1984–1985 (Supplementary List), 938
Doctoral Degrees Conferred 1985–1986, 924
Faculty Salaries. Tenure, Women, 910
Report on the 1986 Survey of New Doctorates, 919
Salary Survey for New Recipients of Doctorates, 915
SYMPOSIA
On Some Mathematical Questions in Biology
1986: Modeling Circadian Rhythms, 357, 679
1987: Models in Population Biology, 835, 956
Symposium in Pure Mathematics
1988: Call for Topics, 362, 553, 649
TREASURER'S REPORT, 676
UNPUBLISHED LECTURE NOTES AND TAPES, 383, 975
VISITING MATHEMATICIANS, 569
Supplementary Lists, 143, 672, 851, 975
WAREHOUSE CLEARANCE SALE, AMS, 970
WASHINGTON OUTLOOK, 38, 319, 486, 617, 752, 939
Bad News and Good News on Federal Support, 319
Increasing Awareness, 486
NSB Ponders NSF's Collegiate Role, 38
NSF Budget: A Rocky Road Through Congress, 939
Public Information: The View from Inside the Rocket, 752
Speaking to Congress, 617